

Amendments to the Claims:

21. (Amended) A process for photo-fabricating a three-dimensional object selectively curing a photo-curable resin composition comprising:

- (a) an oxetane having two or more oxetane rings;
- (b) an epoxy compound; and
- (c) a cationic photoinitiator,

wherein said process comprises

- (i) forming a layer of said composition;
- (ii) selectively irradiating said layer of said composition to form a solid cured resin layer;
- (iii) forming a layer of said composition on the solid cured resin layer; and
- (iv) repeating steps (ii) and (iii).

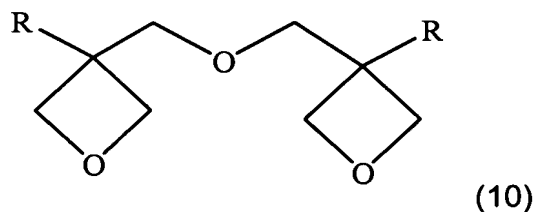
22. (Amended) A process for photo-fabricating a three-dimensional object selectively curing a photo-curable resin composition comprising:

- (a) an oxetane;
- (b) an epoxy compound; and
- (c) a cationic photoinitiator,

wherein said process comprises

- (i) forming a layer of said composition;
- (ii) selectively irradiating said layer of said composition to form a solid cured resin layer;
- (iii) forming a layer of said composition on the solid cured resin layer; and
- (iv) repeating steps (ii) and (iii);

wherein said oxetane is represented by the following formula (10):



wherein R represents a hydrogen atom; a fluorine atom; an alkyl group having from 1 to 6 carbon atoms; a fluoroalkyl group having from 1 to 6 carbon atoms; an aryl group having from 6 to 18 carbon atoms; a furyl group; or a thienyl group.

25. (Amended) A process for photo-fabricating a three-dimensional object selectively curing a photo-curable resin composition comprising:
- (a) an oxetane having 3 or more oxetane rings;
 - (b) an epoxy compound; and
 - (c) a cationic photoinitiator,
- wherein said process comprises
- (i) forming a layer of said composition;
 - (ii) selectively irradiating said layer of said composition to form a solid cured resin layer;
 - (iii) forming a layer of said composition on the solid cured resin layer; and
 - (iv) repeating steps (ii) and (iii).
54. (Amended) A composition comprising:
- (i) an oxetane comprising two or more oxetane rings;
 - (ii) an epoxy compound;
 - (iii) a cationic photoinitiator; and
 - (iv) a polyfunctional monomer selected from the group consisting of penta(meth)acrylates and hexa(meth)acrylates.
58. (Amended) A composition comprising:
- (i) an oxetane comprising three or more oxetane rings;
 - (ii) an epoxy compound;
 - (iii) a cationic photoinitiator; and
 - (iv) a polyfunctional monomer selected from the group consisting of penta(meth)acrylates and hexa(meth)acrylates.
66. A composition for use in photo-fabrication of objects comprising:
- (a) 50 wt.% to 97 wt.% relative to the total weight of the composition of an oxetane;
 - (b) an epoxy compound; and
 - (c) a cationic photoinitiator.

67. A composition for use in photo-fabrication of objects consisting essentially of:
- (a) at least one oxetane;
 - (b) at least one epoxy compound;
 - (c) at least one cationic photoinitiator;
 - (d) optionally at least one cationically polymerizable compound other than component (a) or (b)
 - (e) optionally at least one polyol
 - (f) optionally at least one ethylenically unsaturated monomer
 - (g) optionally at least one free radical photoinitiator; and/or
 - (h) optionally additives selected from the group consisting of:
photosensitizers, reaction diluents, other epoxy compounds, polyamide,
polyamideimide, polyurethane, polychloroprene, polyether, petroleum resin,
xylylene resin, ketone resin, cellulose resin, fluorine oligomer, silicon oligomer,
polysulfide oligomer, polymerization inhibitors, polymerization initiation
adjuvants, age resisters, leveling agents, wettability improvers, surfactants,
plasticizers, UV stabilizers, UV absorbers, silane coupling agents, pigments,
dyes, treated or untreated inorganic fillers, and treated or untreated organic
fillers.